

## GROUNDWATER INDEX

Page 1 of 1

County Franklin Twp. 1877 Rge. 120

[illegible]

4863.3

84854

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

LELAND WEAVER

RECEIVED  
POWELL COUNTY, MONTANA  
June 17th 71

at \_\_\_\_\_ minutes past 10:20

A. M.

*Bonnie J. Miller*  
Clerk and Recorder

By \_\_\_\_\_

*ED*  
Asst. Deputy

Fee \$ 2.00+

File No. ....

T. 12 R. 12

DUPLICATE

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 10 1965

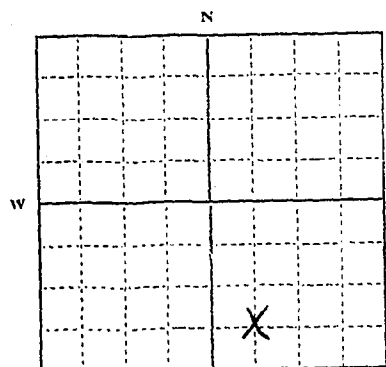
Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 7, 1965Owner Milton Shelley Address Helmsville, MontanaContractor (if any) None

Address of Contractor .....

Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Not KnownSW  $\frac{1}{4}$  SE Sec. 27 T. 12 R. 12

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Not KnownSignature of Owner Milton ShelleyDate June 9, 1965

This form to be prepared by contractor (if any), otherwise by owner.

Three copies of this notice are to be filed with the County Clerk and Recorder, and the County Engineer, in the order of the county in which the works are located.

Please answer all questions. If not applicable, so state. The form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

39204

75609

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA

June 7th, 19 65  
at \_\_\_\_\_ minutes past 1:55 o'clock  
P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00 Paid

County. Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

# NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Milton Shelley

Address ..Helleville, ..Montana

Date well started Nov. 8/1972

completed Nov 18/1972

Type of well LAKE Drilled

(Dug, driven, bored or drilled)

Equipment used Cable tool

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*Describe**

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). .....

## ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 3/8 I.D.	48lbs per ft.	0	85	slots	10	85

Static water level .....3.....ft.\*  
Pumping water level .....13.....ft.\*  
at .350.....gallons per minute,  
measured 120 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by bailing and  
for two hours. pumping

Power.....50A..... Pump..... HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) .....

SE 1/4 SW 1/4 Sec. 28

T. 12 N R. 12

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Phone: 362-4336

Driller's Address ..... Box 241, Lincoln, Montana

LICENSE NO. 203

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

[illegible]

85 Show exact depth of bottom

52266

87644

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA  
January 18th 1973

minutes past 4:30 o'clock

P.M.

*Bessie J. Miller*  
Clerk and Recorder

By. *MD*  
Asst. Deputy

Fee \$ 2.00

File No. ....

T. 12 R. 12

DUPLICATE

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 10 1965

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

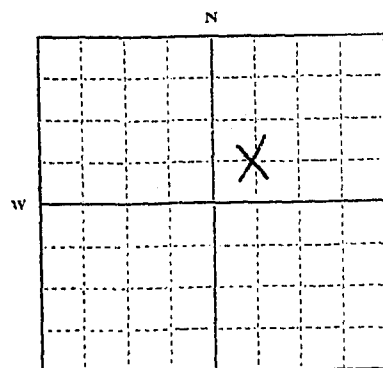
Date of Appropriation of Groundwater

June 7, 1965Owner Milton Shelley Address Helena, MontanaContractor (if any) None

Address of Contractor

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Not Known

SW  $\frac{1}{4}$  NE Sec. 28 T. 12 R. 12

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use NotKnownSignature of Owner Milton ShelleyDate June 7, 1965

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

75607

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA

June 7th, 19 65  
at \_\_\_\_\_ minutes past 1:45 o'clock  
P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00 Paid

File No. ....

DUPLICATE

T. 12 N. R. 12 W.

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 10 1965

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 7, 1965

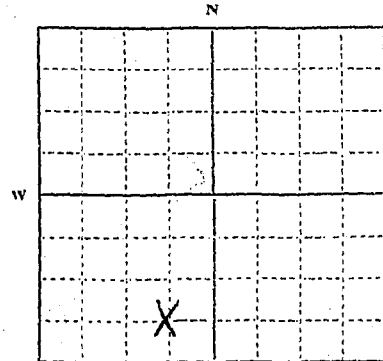
Owner Milton Shelby Address Helmsville, Montana

Contractor (if any) None

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by  
sub-irrigation and other natural processes". Include depth to  
water when applicable. Not Known



SE 1/4 SW Sec 28 T. 12 R. 12

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method  
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Not

Known

Signature of Owner Milton Shelby

Date June 7, 1965

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

75608

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA

June 7th, 1965  
at \_\_\_\_\_ minutes past 1:50 o'clock  
P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By.. \_\_\_\_\_ Deputy

Fec \$ 2.00 Paid

File No. ....

DUPLICATE

T. 12 R. 12

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 10 1965

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Milton Shelley

Address Heberville, Montana

Contractor (if any) None

Address of Contractor

Date Started

Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Not known

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Not

known

Signature of Owner

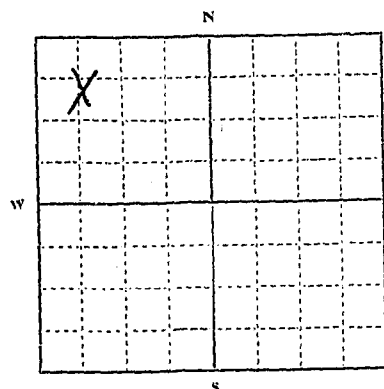
Date June 7, 1965

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



1/4 NW Sec 28 T. 12 R. 12

Indicate point of appropriation and place of use, if possible.

75606

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA

June 7th, 19 65

at \_\_\_\_\_ minutes past 1:40 o'clock

P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_  
Deputy

Fee \$2.00 Paid

File No. ....

T. 12 R. 12

DUPLICATE

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 10 1965

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 7, 1965Owner Milton Shelley Address Helmsville, MontanaContractor (if any) None

Address of Contractor .....

Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Not Known

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

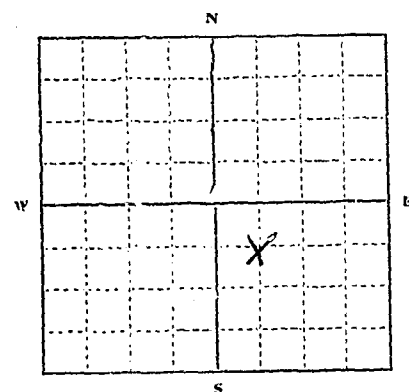
estimate approximate lengths of periods of use. NotKnownSignature of Owner Milton ShelleyDate June 7, 1965

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



NW 1/4 Sec. 32 T. 12 R. 12

Indicate point of appropriation  
and place of use, if possible.

75605

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MILTON SHELLEY

RECEIVED

POWELL COUNTY, MONTANA

June 7th, 19 65

at \_\_\_\_\_ minutes past 1:35 o'clock

P. M.

Daniel B. Hertz, Jr.

Clerk and Recorder

Deputy

Fee \$ 2.00 Paid

52.265.

87645

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

MILTON SHELLEY

RECEIVED  
POWELL COUNTY, MONTANA

January 18th 19 73  
at \_\_\_\_\_ minutes past 4:35 o'clock  
P.M.

*Bonnie J. Miller*  
Clerk and Recorder.

By \_\_\_\_\_  
Asst. Deputy

Fee \$ 2.00

GROUNDWATER INDEX

Page / of /

County Powell Twp. 1277 Rge. 1160

[illegible]

File No. ....

DUPLICATE

T. 12 N. R. 11 W.

County of Powell

JAN 14 1964

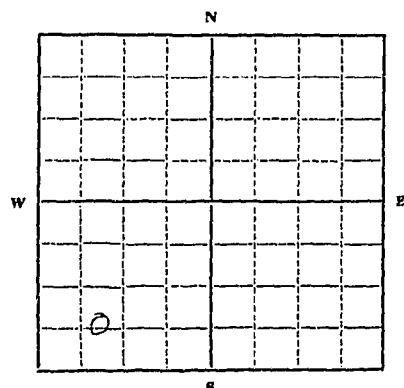
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. M. G. (Minnie) D. Blankenship Helmsville  
(Name of Appropriator) (Address) (Town)  
County of Powell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 2 T. 12 N. R. 11 W.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Domesticif livestock3. Date or approximate date of earliest beneficial use; and how continuous the use has been. informationnot available4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2.5 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

Hand pump for gasoline7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. information not available8. The depth of water table. 40 ft9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 200 ft deep10. The estimated amount of groundwater withdrawn each year. 10,00011. The log of formations encountered in the drilling of each well if available. glacierformation

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date

Dec. 31 - 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32190

73045

DECLARATION OF VESTED GROUNDWATER  
RIGHTS

MRS. M. D. (MINCEY W.) BLANKINSHIP

RECEIVED  
POWELL COUNTY, MONTANA

December 31st, 1963  
at \_\_\_\_\_ minutes past 4:38 o'clock  
P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00 Paid

*Done started & completed?  
Wrong form?*

FILED

1973

County

*Powell*

DEPT OF STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF GROUNDWATER APPROPRIATION WITHOUT WELL  
Developed After January 1, 1962

(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File

*87846*

*MARCH 7, 1973*

GW 1 *10:50 A.M.*

Owner

Address

Contractor (if any)

Address of Contractor

Date Started

Date Completed

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)

*This is a small spring that forms only a small stream*

2. Means of withdrawing water (gravity, pump, canal, etc.)

*The water flows down hill*

3. Depth of water table

*20 ft*

4. Use of the water

*for livestock*

5. Amount of groundwater claimed (in miner's inches or gallons per minute)

*40 Miners inches*

6. If used for irrigation, give number of acres and description of land

*water for livestock*

7. Estimate amount of water used each year

*500 acre ft.*

8. Months of year spring flows

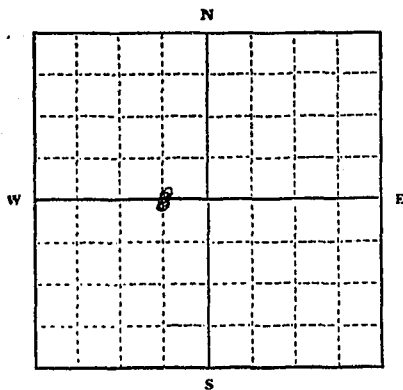
*all year*

Signature of Owner

*Mrs. M.D. Mincey Blankenship*  
*March 4 - 73*

Date

*52574*



S.E. 1/4 NW 1/4 Sec. *7*

T. *12*

(N) R. *11*

(W)

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated

*5000 ft.*

87846

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

Mrs. M.D. (Mincey W.) Blankinship

RECEIVED  
POWELL COUNTY, MONTANA

March 7th 19 73

at \_\_\_\_\_ minutes past 10:50 o'clock

A.M.

*Bonnie J. Miller*  
Clerk and Recorder

By \_\_\_\_\_  
Asst. Deputy

Fee \$2.00

## DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**Developed after January 1, 1962**

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

MILTON J. SHELLEY and

Owner JOANN M. SHELLY

Address Helmville, Montana

Date well started June 27, 1973

completed June 28, 1973

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary drill

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

32 and Addition). to irrigate 500 acres in Sections  
32 and 33 Township 12 N. Range 11 W.

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" by 180 feet deep						

A 3x3 grid with dashed lines. The top row has an 'X' in the first column. The left column is labeled 'W' and the bottom row is labeled 'S'. The top center is labeled 'N'.

Static water level .....ft.\*  
Pumping water level .....ft.\*  
at 300 gallons per minute,  
measured .....minutes after pumping  
began.

\*Measured from ground level.

Well developed by ...  
for .....hours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing,  
packers, type of shutoff) .....

$\frac{1}{4}$        $\frac{1}{4}$  Sec. 33 E 32  
 T. 12      N R. 11      ~~XX~~  
                  ~~XX~~      W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Appropriator's Signature *John S. Kelly*

Driller's Address

LICENSE NO. unknown Show exact depth of bottom

5.5853

88688

NOTICE OF COMPLETION OF GROUND WATER  
APPROPRIATION BY MEANS OF WELL

MILTON J. SHELLY et ux

RECEIVED  
POWELL COUNTY, MONTANA

June 29th 19 73  
at \_\_\_\_\_ minutes past 4:33 o'clock

P.M.

*Bernie J. Miller*  
Clerk and Recorder

By *Ed*  
Asst. Deputy

Fee \$ 2.00

County.....Dovell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

## NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

MILTON J. GULLY and

Owner JOHN W. SHELLEY

Address Helleville, Montana

Date well started June 28, 1973

completed June 20, 1973

Type of well ..... drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

Describe

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition). to irrigate 500 acres in Sections  
and 36, Township 12N, Range 11W

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" 30						
7.5 foot deep						

A 2x2 grid with 'N' at the top, 'W' on the left, and 'E' on the right. An 'X' is marked in the bottom-left cell.

Static water level ..... 5 ..... ft.\*

Pumping water level .....ft.\*

at ..... 230 ..... gallons per minute,

measured ..... minutes after pumping began.

\*Measured from ground level.

Well developed by ..

for ..... hours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

SE 1/4 SW 1/4 Sec. 33

T. 12 NR. 22

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature *James D. Kelly*

### Miller's Address

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

[illegible]

Show exact depth of bottom

55152

LICENSE NO.

County.....Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

## NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1982

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

WELTON J. SULLY and  
Owner

Owner JOHN M. SHELLY

Address Helenville, Montana

Date well started June 28, 1973

completed June 20, 1973

Type of well ..... drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drive, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

Describe

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition). to irrigate 500 acres in Sections  
and 35, Township 12N, Range 11W

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" by 75 feet	Deep					

Static water level ..... 3 ..... ft.\*  
Pumping water level ..... 3 ..... ft.\*  
at ..... 280 ..... gallons per minute.  
measured ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by ...  
for ..... hours.

Power..... Pump..... HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) .....

SE 1/4 SW 1/4 Sec 33  
T. 12 N. R. 11 E. 2

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES. / 40

Driller's Signature *James D. Bell*

### Miller's Address

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

[illegible]

Show exact depth of bottom

55152

LICENSE NO.

88689

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

MILTON J. SHELLEY et ux

RECEIVED  
POWELL COUNTY, MONTANA  
June 29th 19 73  
at \_\_\_\_\_ minutes past 4:34 o'clock  
P. M.  
*Donnie J. Miller*  
Clerk and Recorder  
By *ED*  
Asst. Deputy  
Fee \$ 2.00

## GROUNDWATER INDEX

Page 1 of 1

County Powell Twp. 1277 Rge. 1041

[illegible]

GW3

File No. ....

DUPLICATE

T. 12<sup>N</sup> R. 10<sup>W</sup> 4  
County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

JAN 14 1964  
RECEIVED

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960

Mrs. M. E. (Minnie) Blankenship Address Helena, Mont.

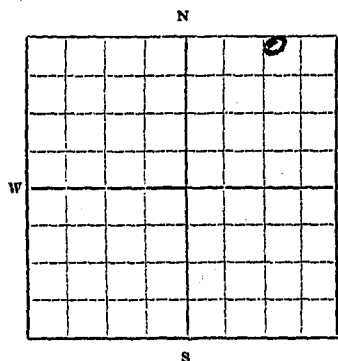
Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to

water when applicable. This is a natural spring



NE 1/4 Sec. 4 T. 12 R. 10

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-

tent estimate approximate lengths of periods of use .....

Pipes are laid to carry the water and it is measured by a gallon measure 60 to 90 gallons per hr. depending on season

Signature of Owner Mrs. M. E. (Minnie) Blankenship

Date Dec. 31-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

32188

73043

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

MRS. M. D. (MINCEY W.) BLANKINSHIP

RECEIVED  
POWELL COUNTY, MONTANA

December 31st, 1963  
at \_\_\_\_\_ minutes past 4:36 o'clock  
P.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

RECEIVED

APR 24 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 12 R. 10 W.  
County Powell

WATER WELL LOG

		X	

Owner Alfred A. Ross Address Helenville Mont  
Driller Bob Hudson Address Swan Lake Mont  
Date Started July 15 1958 Date Completed Aug 10, 1958  
Location: Sec. 5 T. 12 R. 10 W 1/4 sec.

Type of well drilled Equipment used drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 50 ft. Type 1.50.17 Size 5 in  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: 14 ft. from top feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min. 12 gal. at 17.

How tested: guessed

Length of test: \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)



(over)

## GROUNDWATER INDEX

Page   1   of   1  

County Pawnee Twp. 1377 Rge. 9W

[illegible]

GW1

File No. ....

T. 12 N. R. 9 W.

DUPLICATE

County. Powell

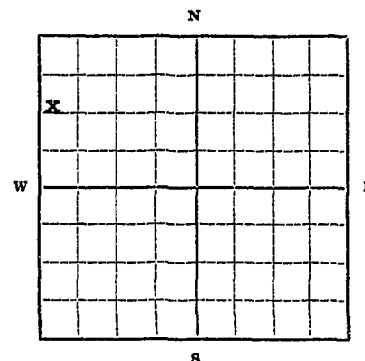
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 3 1964  
STATE ENGINEER

**Notice of Appropriation of Groundwater**  
(Under Chapter 237, Montana Session Laws, 1961)

1. I, C. K. Dalton, of 705 East State St. Helena  
(Name of Appropriator) (Address) (Town)  
County of Lewis & Clark, State of Montana 59601, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Domestic and irrigation  
of the Illini Millsite Sur. No. 6145B in Sec. 3 T12N R9W  
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 40 Miners inches
4. The annual period (inclusive dates) of intended use April 1 to October 31
5. The probable or intended date of first beneficial use September 1, 1964
6. The probable or intended date of commencement and completion of the well\* or wells\* Commencement August 1, 1964 - Completion September 1, 1964
7. The location, type, size and depth of well or wells contemplated On above benefited lands  
6' x 6' x 4' deep
8. The probable or estimated depth of the water table or artesian aquifer 3 feet
9. Name, address and license number of the driller engaged Not applicable - it will be excavated by above appropriator.

10. Give such other similar information as may be useful in carrying out the policy of this act.....  
Not applicable



NW 1/4 Sec. 3 T12N R9W  
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator C. K. Dalton

Date July 30th, 1964

\* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

38343

74121

NOTICE OF APPROPRIATION  
OF GROUNDWATER

G. K. DALTON

**RECEIVED**  
**POWELL COUNTY, MONTANA**

July 30th, 19 64  
at \_\_\_\_\_ minutes past 2:10 o'clock  
P.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

File No. ....

Sec. 3

T. 12 N. R. 9 W.

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Powell

LOG

RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

OCT 9 1967

Top of Ground

(Elev. above sea level .....

**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1962

0 to 15ft. clay and boulders (Under Chapter 237, Montana Session Laws, 1961)

15 to 53 clay with  
small gravel

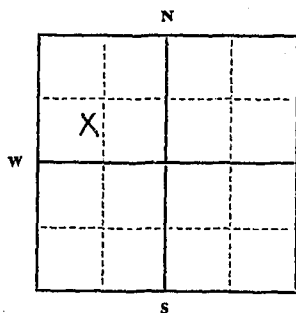
53 to 54 water gravel

54 to 60 open hole

Owner C. K. Dalton Address 707 E. State  
Helena, Montana  
Driller Walter Riddock Address Helena, Montana  
Date of Notice of appropriation of groundwater August 5, 1967 *OKD*  
Date well started June 29, 1967 Date completed July 3, 1967  
Type of well Drilled Equipment used churn Drill  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)  
Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 15 #	0	55	none		

Static Water Level for non-flowing well 40 feet.

Shut-in Pressure for Flowing Well .....

Pumping Water Level 48 feetat 10 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested bailerLength of Test 2 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) .....

NW 1/4 Sec. 3 T. 12 N. R. 9 W.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

IRRIGATION OF 13.04 ACRES IN  
NW 1/4 SEC 3 T. 12 N. R. 9 W. M.P.M.  
*OKD*

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Montana No 49

Driller's License Number

*Walter Riddock*

Driller's Signature.

42,375

79427

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

C. K. Dalton

RECEIVED  
POWELL COUNTY, MONTANA

October 6th 19 67

at \_\_\_\_\_ minutes past 1:05 o'clock

P. M.

Elfa McDonough

Clerk and Recorder

By \_\_\_\_\_

Deputy

Fee \$ 2.00 pd

File No. ....

T. 12 N. R. 9 W.

DUPLICATE

County. Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

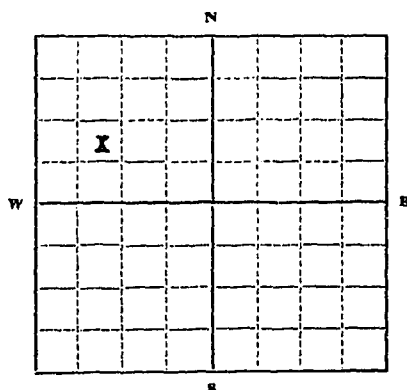
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. C. K. Dalton, of 707 State Street Helena  
(Name of Appropriator) (Address) (Town)  
County of Lewis & Clark State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 3 T. 12 N. R. 9 W.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Domestic  
Supply & Irrigation of 5 Acres
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. July 1959  
Continuous
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) Enough for domestic use & irrigate 5 acres.
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
5 Acres, Illini Lodge Millsite Claim,  
Mineral Certificate No. 4035,  
Lot No. 6145 B - C. K. Dalton, owner
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.  
Hand pump at present, but plan to use all Power Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. July - August 1959
8. The depth of water table. 13' 9 1/2" from natural ground surface to surface of water.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. Drilled with post hole digger - 4" I. D. casing  
installed - one well 20' 9 1/2" deep.
10. The estimated amount of groundwater withdrawn each year. Amount necessary for domestic use &  
irrigation of 5 acres.
11. The log of formations encountered in the drilling of each well if available. Mostly clay, fine sand  
& fine sharp rock.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record.

Signature of Owner

C. K. DaltonDate. July 12th, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1032

70636

DECLARATION OF VESTED GROUNDWATER RIGHTS

C. K. DALTON

RECEIVED  
POWELL COUNTY, MONTANA

July 12th, 19 62  
at \_\_\_\_\_ minutes past 1:45 o'clock  
P.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

File No. ....

T. 12N R. 9W Sec 3

DUPLICATE

County Powell

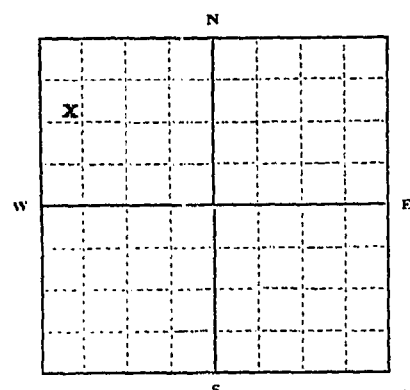
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
AUG 28 1964

STATE ENGINEER  
**Notice of Completion of Groundwater Appropriation  
Without Well**

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 30, 1964Owner C. K. Dalton Address 705 East State St.  
Helena, Mont. 59601Contractor (if any) Not applicableAddress of Contractor Not applicableDate Started August 1, 1964 Completed August 20, 1964NW 1/4 Sec. 3 T. 12N R. 9WIndicate point of appropriation  
and place of use, if possible.1) Describe means of obtaining groundwater (as by sub-irrigation,  
developed spring, drains, etc.)Developed Spring and Drain

2) Means of withdrawing water (gravity, pump, canal, etc.)

Gravity and pump3) Depth of water table 18 inches4) Use of the water Domestic and irrigation5) Amount of groundwater claimed (in miner's inches, or gallons  
per minute) 40 miners inches6) If used for irrigation, give number of acres and description of  
land 5 acres - Illini Millsite,Survey No. 6145B in Section 3, Township12 N., Range 9 West

7) Estimate amount of water used each year

200,000 gallonsSignature of Owner C. K. DaltonDate August 26, 1964

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the  
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

38410

74254

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

C. K. DALTON

RECEIVED  
POWELL COUNTY, MONTANA

August 26th, 19 64  
at \_\_\_\_\_ minutes past 2:10 o'clock  
P. M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

GW 3

File No. ....

DUPLICATE

T. 12 R. 9 W  
County POWELLSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 28 1964  
STATE ENGINEER

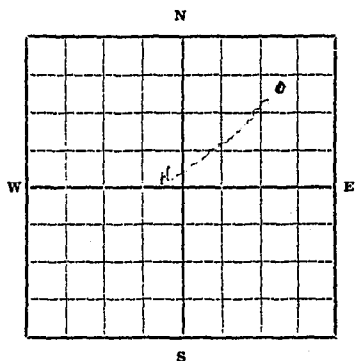
## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1950Owner A. P. KELLEY Address AVON MONT

Contractor (if any) .....

Address of Contractor .....

Date Started Oct 1950 Date Completed Nov. 1950Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 10' DEEP, 2" PIPE3000 FT. LONG, SPRING  
2.5 MINER INCHES OF WATERQuantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use WATERNE 1/4 Sec. 18 T. 12 R. 9 W  
Indicate point of appropriation and place of use, if possible.IS PIPED TO THE HOMESignature of Owner John P. KelleyDate Dec 30 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

27112

73094

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION WITHOUT WELL

JOHN P. KELLEY

RECEIVED  
POWELL COUNTY, MONTANA

January 2nd, 1964  
at \_\_\_\_\_ minutes past 1:00 o'clock  
P.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$2.00 Paid

GW.

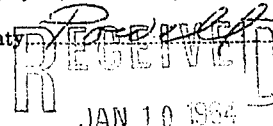
Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

DUPLICATE

T. 12N R 9W

County: Bozeman



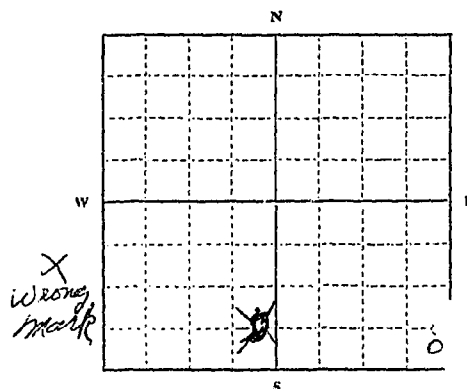
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mannix Ralph E, of Avon  
(Name of Appropriator) (Address) (Town)  
County of Bozeman State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 9 T. 12N. R. 9W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use to which the claim is based Home  
LIVE STOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 17 1959  
#2 Nov 19 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40  
40

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 12.47

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC  
PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov 17 1959  
19 1959

8. The depth of water table #1 51' #2 44'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater #1 5/8\" 2\" 22\" TD - 6\" casing 51'  
#2 5/8\" 2\" 22\" TD - 6\" casing 44'

10. The estimated amount of groundwater withdrawn each year #1 10,000 #2 20,000

11. The log of formations encountered in the drilling of each well if available: #1 Surface to 35' Clay  
35-45' Gravel 45-58' Water bearing Gravel  
#2 Surface 4' topsoil 4-10' Clay 10-15' Gravel 15-43' 3\" 4\" Clay  
43-44' Water bearing Gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Ralph E Mannix

Date Jan 8, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

29346

73136

DECLARATION OF VESTED GROUND-  
WATER RIGHTS

RALPH E. MANNIX

RECEIVED  
POWELL COUNTY, MONTANA

January 8th, 19 64  
at \_\_\_\_\_ minutes past 2:05 o'clock  
P. M.  
Daniel B. Hertz, Jr.  
Clerk and Recorder  
By \_\_\_\_\_ Deputy  
Fee \$ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No. ....

T. 12 R. 9W

DUPLICATE

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
APR 8 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Sept 1962Owned by Bert and Edith Mannix Address Arvon

Contractor (if any) .....

Address of Contractor .....

Date Started Sept 1962 Date Completed Dec 28 1963Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub irrigationDug out and piped into the house

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. notavailable

Signature of Owner

Bert and Edith MannixDate Jan 15 1964

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

35556

73639

DECLARATION OF VESTED  
GROUNDWATER RIGHTS

BEN T. & EDITH MANNIX

RECEIVED  
POWELL COUNTY, MONTANA

April 7th., 19 64  
at \_\_\_\_\_ minutes past 2:20 o'clock  
P. M.  
Daniel B. Hertz, Jr.  
Clerk and Recorder  
By \_\_\_\_\_ Deputy  
Fee \$ \_\_\_\_\_

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

T. 12 R. 9

DUPLICATE

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

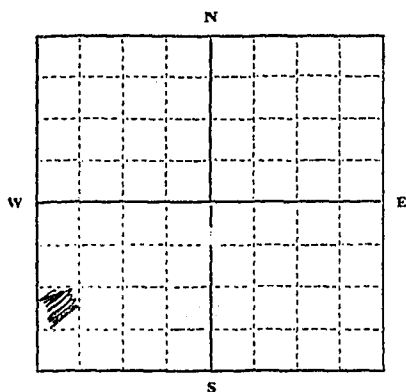
RECEIVED  
JAN 18 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Wagon Wheel Ranch, of Avon (Town)  
(Name of Appropriator) (Address)  
County of Powell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S W 1/4 Sec. 21 T. 12 R. 9

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based house and yard water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been well dug in 1933 and has been in continuous use since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof irrigates yards of approximately one acre owned by wagon wheel ranch
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal water drawn by hand pump and electric pressure system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well dug in 1933
8. The depth of water table well 35 feet deep and approximately 5 feet of water
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well approximately 5 feet square, 35 feet deep, rock and cement walled
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Wagon Wheel Ranch

Date January 9, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

31443

73163

DECLARATION OF VESTED GROUND-  
WATER RIGHTS

WAGON WHEEL RANCH

RECEIVED  
POWELL COUNTY, MONTANA

January 9th, 19 64  
at \_\_\_\_\_ minutes past 11:30 o'clock  
A.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

File No. ....

T. 12 N. R. 2 E.

DUPLICATE

County. Powell

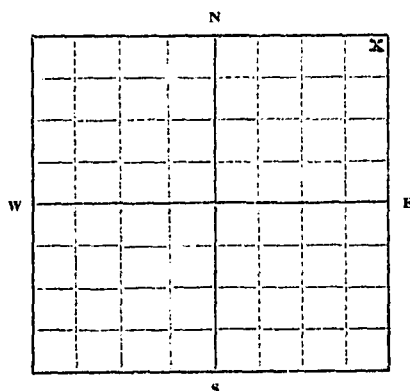
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George V. Davis, of Avon  
(Name of Appropriator) (Address) (Town)  
County of Powell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 21 T. 12 N. R. 2 E.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....  
household
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. 1955, in constant use  
since that date
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 12 gal per min.
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
does not apply
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
electric pump, well located under ranch residence

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater..... 1956

8. The depth of water table..... 30 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater..... 5" steel casing drilled to depth of 40 ft.

10. The estimated amount of groundwater withdrawn each year..... 65,000 gal.

11. The log of formations encountered in the drilling of each well if available..... none

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record..... none

Signature of Owner..... George V. Davis

Date..... Dec. 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder, duplicate to the State Engineer, Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

11243

72883

DECLARATION OF VESTED GROUND-  
WATER RIGHTS

GEORGE V. DAVIS

**RECEIVED**  
**POWELL COUNTY, MONTANA**

December 20th, 1963  
at \_\_\_\_\_ minutes past 11:07 o'clock  
\_\_\_\_\_ A. M.

Daniel B. Hertz, Jr.

Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

T 72 N R 21

County Powell.

RECEIVED  
DEC 23 1963  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....  
household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... 1915 (approx.), in constant use from that date
4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 10 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof..... does not apply
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... electric pump, well located 75 ft. south of ranch residence
7. The date of the construction of the well, wells, or other works for withdrawal..... 1915 (date approx.)
8. The depth of the well, wells, or other works for withdrawal..... ft.
9. The size and depth of each well or the general specifications of any other water..... hand dug, 10" tile casing to depth of 30 ft.
10. The amount of water withdrawn each year..... 75,000 gal.
11. The cost of the drilling of each well if available..... none
12. Any other facts or information that may be useful in carrying out the policy of this act, including any record..... none

Signature of Owner George L. Naves

Date Dec. 10 1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11842.

72882

DECLARATION OF VESTED GROUND-  
WATER RIGHTS

GEORGE V. DAVIS

RECEIVED  
POWELL COUNTY, MONTANA

December 20th, 1963  
at \_\_\_\_\_ minutes past 11:06 o'clock  
A.M.

Daniel B. Hertz, Jr.  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00 Paid

## GROUNDWATER INDEX

Page 7 of 7

County Pawnee Twp. 1177 Rge. 9w

[illegible]

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner WILLIAM WILLIAMS  
Address 100 N. 10th St. Helena, MT  
Date well started August 29, 1970 GW 1  
completed August 31, 1970

For Administrator's Use  
File 83547  
August 29, 1970  
10:00 A.M.

Type of well 11'6"  
(Dug, driven, bored or drilled)

Equipment used CHURN  
(Churn drill, rotary or other)

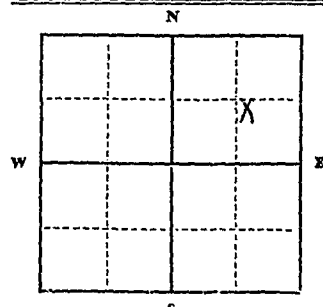
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" ID	6-5/8" OD 17 lbs. round 1/4" girth well	level	50'			



S.E. 1/4 N.E. 1/4 Sec. 10  
T. 11 N. R. 9 E. 10

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Kenneth Williams

Driller's Address 100 N. 10th St. Helena, MT

LICENSE NO. 151

County Powell

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	11	black dirt & gravel
11	31	brown clay & gravel
31	45	top of water
45	48	thin green clay
48	49	blue shale
49	50	blue shale
50		water

50 ft. Show exact depth of bottom

47425

83547

GROUNDWATER  
APPROPRIATION

LAMMOT DUPONT

RECEIVED  
POWELL COUNTY, MONTANA

August 20th 19 70

at 30 minutes past 10:00 o'clock

A. M.

*E. J. McLaughlin*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00+

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner James E. Williams  
Address 1000 1st St. N. Helena, MT 59601  
Date well started July 30, 1970 GW 1  
completed July 31, 1970

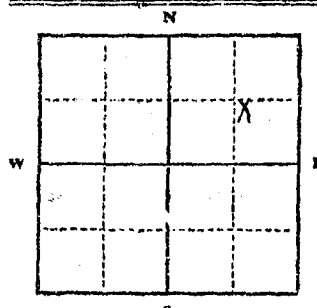
For Administrator's Use  
File 8-2547  
August 20, 1970  
10:00 AM

Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used Churn drill  
(Churn drill, rotary or other)  
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe  
USE: If used for irrigation, industrial, drainage or other, Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
8" ID	6-5/8" OD 17 lbs. round 1/4" x 1/4" x 11	17	50	Kind Size From (Feet) To (Feet)



SE 1/4 NE 1/4 Sec. 10  
T. 11 N. R. 9 E  
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Harriet L. Williams

Driller's Address 1000 1st St. N. Helena, MT 59601

LICENSE NO. 151

County Parade

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	10	Black dirt & gravel
10	30	Light clay & gravel
30	50	Top of water
50	60	Light green clay
60	70	Light shale
70	80	Light shale
80	90	Light shale
90	100	Light shale
100	110	Light shale
110	120	Light shale
120	130	Light shale
130	140	Light shale
140	150	Light shale
150	160	Light shale
160	170	Light shale
170	180	Light shale
180	190	Light shale
190	200	Light shale
200	210	Light shale
210	220	Light shale
220	230	Light shale
230	240	Light shale
240	250	Light shale
250	260	Light shale
260	270	Light shale
270	280	Light shale
280	290	Light shale
290	300	Light shale
300	310	Light shale
310	320	Light shale
320	330	Light shale
330	340	Light shale
340	350	Light shale
350	360	Light shale
360	370	Light shale
370	380	Light shale
380	390	Light shale
390	400	Light shale
400	410	Light shale
410	420	Light shale
420	430	Light shale
430	440	Light shale
440	450	Light shale
450	460	Light shale
460	470	Light shale
470	480	Light shale
480	490	Light shale
490	500	Light shale
500	510	Light shale
510	520	Light shale
520	530	Light shale
530	540	Light shale
540	550	Light shale
550	560	Light shale
560	570	Light shale
570	580	Light shale
580	590	Light shale
590	600	Light shale
600	610	Light shale
610	620	Light shale
620	630	Light shale
630	640	Light shale
640	650	Light shale
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660	670	Light shale
670	680	Light shale
680	690	Light shale
690	700	Light shale
700	710	Light shale
710	720	Light shale
720	730	Light shale
730	740	Light shale
740	750	Light shale
750	760	Light shale
760	770	Light shale
770	780	Light shale
780	790	Light shale
790	800	Light shale
800	810	Light shale
810	820	Light shale
820	830	Light shale
830	840	Light shale
840	850	Light shale
850	860	Light shale
860	870	Light shale
870	880	Light shale
880	890	Light shale
890	900	Light shale
900	910	Light shale
910	920	Light shale
920	930	Light shale
930	940	Light shale
940	950	Light shale
950	960	Light shale
960	970	Light shale
970	980	Light shale
980	990	Light shale
990	1000	Light shale

Static water level 11' 6" ft.\*  
Pumping water level 40 ft.\*  
at 60 gallons per minute,  
measured 40 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by well test  
for 3 hours.  
Power            Pump            HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)           

Show exact depth at bottom

47425

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
**NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL**  
Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner JOHN T. WILLIAMS  
Address 1001 1/2 ST. N. W. HELENA, MONT.  
Date well started JULY 14, 1970 completed JULY 20, 1970

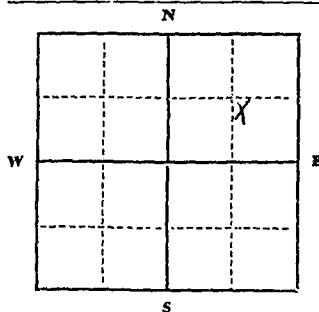
For Administrator's Use  
File 835-18  
August 29, 1970  
10:00 A.M.  
GW 1

Type of well DRILL  
(Dug, driven, bored or drilled)  
Equipment used CHURN  
(Churn drill, rotary or other)  
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe \_\_\_\_\_  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). \_\_\_\_\_

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6" ID	8-5/8" 17 lbs. 3/4" size well	Ground level	151'	Kind Size From (Feet) To (Feet)



SE 1/4 NE 1/4 Sec. 10  
T. 11 N. R. 9 E. S. 1

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Hernest Williams  
Driller's Address DEER PARK, MONT.

LICENSE NO. 151

County Powell

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
01'	3'
3'	16'
16'	41'
41'	41'
41'	48'
48'	59'
59'	69'
69'	72'
72'	80'
80'	150'
150'	151'

151' Show exact depth of bottom

47726

83548

GROUNDWATER  
APPROPRIATION

LAMMOT DUPONT

RECEIVED  
POWELL COUNTY, MONTANA

August 20th 19 70  
at 35 minutes past 10:00 o'clock

A M.  
*E. J. McLaughlin*  
Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee \$ 2.00+

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner WILLIAM L. WILLIAMS

Address AVENUE 1000 N.A.

Date well started JULY 14, 1970

completed JULY 20, 1970

Type of well DRILLER

(Dig, driven, bored or drilled)

Equipment used CR 20

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

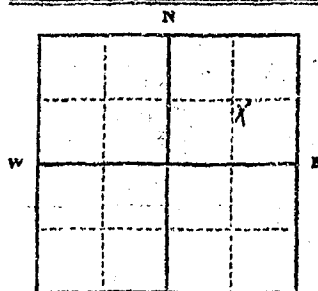
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Sh.	From (Feet)	To (Feet)
6" IT	8-5/8" OD 17 lbs. 1/4" steel wall	Ground level	151'			



SE 1/4 NE 1/4 Sec. 10  
T. 4 N. R. 9 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Herbert L. Williams

Driller's Address 1552 So. 5th St. Billings, Wyo.

LICENSE NO. 151

County Powell

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
01	0
02	1
03	2
04	3
05	4
06	5
07	6
08	7
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148	147
149	148
150	149
151	150

151 Show exact depth of bottom

47426

G

File No. ....

DUPLICATE

T. 11 R. 9

County Powell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

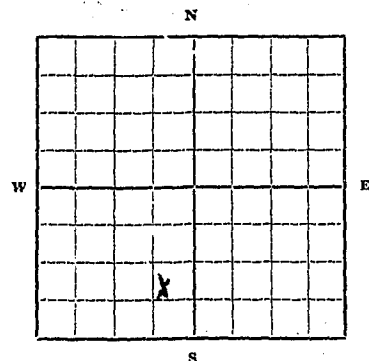
RECEIVED

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lammot duPont, Jr., of Avon  
(Name of Appropriator) (Address) (Town)  
County of Powell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 10 T. 11 R. 9

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Not to be used until Spring '62 - continuous thereafter

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal drilled well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced Oct. 4, 1961 - completed Oct. 5, 1961

8. The depth of water table 12'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled by chain drill, standard 6" casing, 29' 6" deep

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available Surface to 3' top soil; 3' to 9' Red clay; 9' to 28' weathered Rock with interstratified layers of Red clay; 28' to 57' Sandstone, fine, of Red earth and volcanic ash

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Lammot duPont Jr.Date Jan 8, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1135